Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/27/2021 09:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125030	0	1.23	124928	1.22
Blue	F	SSC	125000	123891	-1	2.44	124211	2.29
Blue	E	FITC	13131	12691	-4	2.20	293	15.76
Blue	D	PE	24112	23901	-1	1.60	548	10.73
Blue	B	PerCP-Cy5-5	31295	30767	-2	2.99	1024	14.15
Blue	A	PE-Cy7	19939	19515	-3	5.06	521	28.60
Red	C	APC	42122	41739	-1	3.03	1751	11.27
Red	A	APC-Cy7	22340	21806	-3	3.28	816	11.30
Violet	B	V450	7410	7061	-5	3.93	427	12.76
Violet	A	V500	28118	27098	-4	3.56	674	9.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23252	0.92	566	-3	N/A	N/A	Pass
Blue	F	SSC	57702	1.11	517	5	N/A	N/A	Pass
Blue	E	FITC	53	54.62	485	-2	0.0394	80	Pass
Blue	D	PE	116	37.97	488	0	0.4678	408	Pass
Blue	B	PerCP-Cy5-5	189	35.41	584	-2	0.0211	88	Pass
Blue	A	PE-Cy7	106	65.23	625	-3	0.0226	0	Pass
Red	C	APC	406	23.60	576	0	0.0288	187	Pass
Red	A	APC-Cy7	184	27.49	550	-1	0.0070	1613	Pass
Violet	B	V450	60	63.19	458	5	0.0587	2184	Pass
Violet	A	V500	98	34.44	470	5	0.0279	1026	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.07	-31.74	1.00
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	16.72	13.60 - 20.40	N/A	N/A	30.02	30.36	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10402

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments